TRC3001

TRENTON 3U RACKMOUNT CHASSIS - 20.0" DEPTH

FEATURES

- Short-height computer platform ideal for rugged computing applications
- Supports industry standard MicroATX (uATX), ATX and ExtendedATX (EATX) motherboards
- Chassis design supports full-height and 1/2 height I/O option cards
- Trenton embedded motherboard options available in dual or single-processor configurations that support multi-core Intel® processors
- Motherboard options available to support multiple x16 PCI Express cards
- Data storage capacity provides support for up to six hot swap, 2.5" HDDs or Solid State Drives (SSDs)
- Made In USA for long-life stability and dependability

Trenton TRC3001 Rackmount System
Shown with an ExtendedATX motherboard

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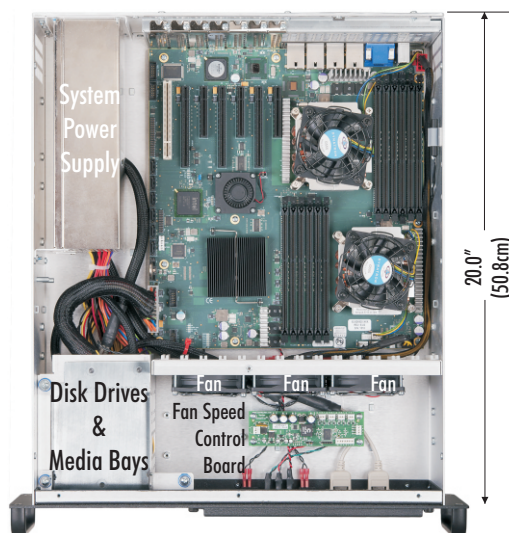
TRC3001 OVERVIEW:

The short chassis height dimension of the Trenton TRC3001 rackmount computer eliminates wasted space in 19" component racks by maximizing vertical space utilization. This increased space utilization can be put to good use in crowded server rooms, process control rooms, surface ships and airborne command centers. The TRC3001 3U rackmount computer supports a variety of industry standard motherboards including the MicroATX, ATX and ExtendedATX motherboard form factors. An example of a long-life, EATX motherboard option for the TRC3001 is the Trenton WTM7026 with its single PCI slot and six PCI Express card slots. Other motherboard options are available to support different I/O card requirements; contact Trenton to discuss your unique system I/O card requirements.

The TRC3001 features three front access drive bays that support either three 3.5" or up to six 2.5" removable and hot swap storage drives. The system's front panel also includes a Slim-line optical media bay, two USB ports, diagnostic LEDs, power and system reset switches. The TRC3001 rackmount chassis features high-capacity system fans and rear-mounted power supply options
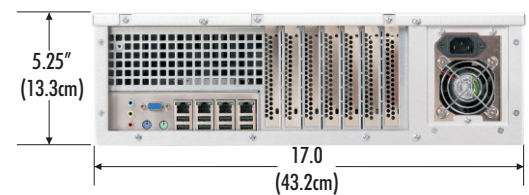
TRC3001 CHASSIS LAYOUT DRAWING - EATX MOTHERBOARD CONFIGURATION:
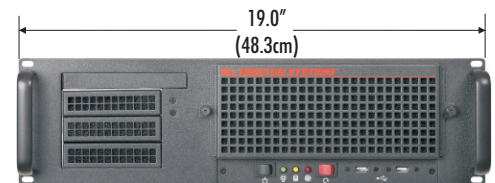

Side View

Top View (Shown with Trenton WTM7026 motherboard)

Rear View

Front View

TRENTON RACKMOUNT COMPUTER: TRC3001

SYSTEM MODEL	DESCRIPTION
TRC3001	3U rackmount computer with a 20.0" chassis depth, three front access 3.5" drive bays and one optical media bay, MicroATX (uATX), AXT or ExtendedATX

TECHNICAL SPECIFICATIONS:

MODEL NAME	TRC3001
DESCRIPTION	3U, rackmount computer chassis with a 20.0" depth, three front access drive bays, one optical media bay and an embedded motherboard
CHASSIS STANDARD	EIA RS-310C 19" Rackmount Standard
CONSTRUCTION & COLOR	Lightweight, rugged aluminum — Black front
VERSION	19" Rackmount with a MicroATX, ATX or ExtendedATX motherboard configuration
MOTHERBOARD OPTIONS	Trenton JXM7031, JXMS7031, JXMI8001, NTM6900, WTM7026 and Trenton validated BXM7500, BXMI8500 and BXMI8501 motherboards from Intel®
I/O CARD BAYS	7, Supports up to full-height PCI Express, PCI-X and PCI cards. The I/O card interface types that are supported depends on the motherboard option selected.
DRIVE BAYS	3 - Front 3.5" drive bays support either three 3.5" or up to six 2.5" hot swap HDD carriers and 1 - Slim-line device bay for optical drive media
MAXIMUM DATA STORAGE CAPACITY	Drive type and individual drive capacity dependent, 2.5" front access driver carriers support 15mm thick 1TB or greater HDDs, 3TB - 6TB* typical when using 2.5" HDDs, 1.8TB - 4.8TB* when using 2.5" SSDs *Maximum capacity increases with larger capacity drives
POWER SUPPLY	1U rear-mounted and removable 400W ATX/EPS power supply - OR - 2U fixed rear-mounted 650W ATX/EPS power supply.
INDICATORS	LEDs for HDD activity, Power Status and Fan Speed Control Status
SWITCH	Power On/Off and System Reset
FRONT CONNECTOR PORTS	2 - USB
COOLING	3 - 80mm Fans, 67 CFM each
HOLD DOWN BAR	Flexible hold down bar for the option cards provides added security in high vibration environments
AIR FILTER	Front door option provides tool-less access to the system filter for easy cleaning and maintenance
CHASSIS NET WEIGHT	23.4 Lbs. (10.6 kg.) - Includes chassis + dual-processor ExtendedATX motherboard + fixed-mount power supply only
METRIC DIMENSIONS	48.3cm (W) x 13.34cm (H) x 50.8cm (D)
ENGLISH DIMENSIONS	19.0" (W) x 5.25" (H) x 20.0" (D)

Trenton Systems offers complete system integration of a wide variety of standard and customer supplied operating systems and application software packages. Various Microsoft®, Linux and RTOS operating systems can be loaded on to your system by our highly skilled factory technicians.   Other system integration services include loading and testing of industry standard or COTS option cards as well as custom designed boards.

Standard industry certifications and approvals for your specific system configuration are also available from Trenton Systems.

Final system weight, environmental specifications and total power consumption estimates are a function of the specific system configuration. Preliminary estimates and final validated values are provided by Trenton for each rackmount computer system we build.

NOTES:
  1. The chassis photos are shown for illustrative purposes only.

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